VOLUME 5 NUMBER 10 OCTOBER 1983

denver apple pi Seed

newsletter of the apple pi computer users' club

P.O. Box 17467
Denver, CO 80217

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10  REM   THE MONTHLY MEETING
20  VTAB 8: HTAB 17
30  INVERSE : PRINT "NOTICE": NORMAL

40  PRINT : PRINT
50  PRINT "IF YOU DON'T COME TO
      THE MEETING"
60  PRINT : PRINT
70  PRINT "YOU JUST MIGHT MISS
      OUT ON SOMTHIG"
80  REM   THIS MONTH THE MEETING
      IS ON OCT 6th
90  END
```


CHECK EXPIRATION DATE ON LABEL

This may be the onry notification you will receive. Please pay your dues of $18 before that date.

denver apple pi Seed

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P.O. BOX 17467
DENVER, COLORADO 80217

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1983 OCTOBER 1983

SUN	MON	TUE	WED	THU	FRI	SAT
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16	17	18	19	20	21	22
23 30	24 31	25	26	27	28	29

OCTOBER 6th - General Meeting
OCTOBER 9th - Swap Meet
OCTOBER 12th - Board Meeting

THE NEXT BOARD WILL BE AT THE HEIN'S HOUSE
11735 W. 73nd Place, Arvada, Colorado 7:00 P.M.

MEMBERSHIP INFORMATION
$10 APPLICATION FEE AND $18 PER YEAR DUES

APPLE PI is an Apple Computer Users Group - not affiliated with Apple Computer, Inc. - that provides many member benefits, some of which are:

MONTHLY MEETINGS-

On the first Thursday of each month at 7:00 p.m. APPLE PI holds its general meeting at the Greene Center, Colorado School of Mines Campus, Golden, Colorado. This meeting is a combination of an informational meeting, new product announcements, and a short business meeting. The members are given an opportunity to buy computer supplies a little above cost. Software products are given away as door prizes.

On the Sunday following the general meeting there is an informal meet which is usually held at the home of a member, the location of which is announced in the newsletter and at the general meeting. This meeting is from 10:00 a.m. until 3:00 p.m. and provides a more informal environment to seek or give advice to fellow members and get copies of programs from the APPLE PI Library. Both of these meetings are open to the general public but only members have access to products that are sold.

PROGRAM LIBRARY-

APPLE PI currently has a library of 8,000 programs. All current disks are in 16 sector (3.3, Pascal, CP/M) format and are available to any member. APPLE PI Members can obtain copies from the library:

1) By coming to the monthly informal meeting (swap meet);
2) By written request to the club librarian (at any meeting or by mail);
3) By electronic mail on APPLE PI's bulletin board system:

When requesting copies, please include the following information:

a) Your Name, Address, and Phone number;
b) Disk Category and Volume Number;
c) Blank Diskette(s) or request to utilize a new disk (member will be charged $2.50 for the new disk);
d) Copy fee ($1.00 per diskette side unless you donate a program you have written at the same time and fill out a Progam Submission Form). Only complete sides of disks will be copied.
e) Instructions on how the disks are to be returned, i.e., at the next meeting, by mail, etc. (IF RETURN IS TO BE BY MAIL PLEASE BE SURE TO INCLUDE A STAMPED, SELF-ADDRESSED FLOPPY DISK MAILER, AND $2.50 TO COVER SHIPPING COSTS).

DISK OF THE MONTH-

Each month a collection of some of the best programs donated to APPLE PI during the preceding month are made available. The DOM can be purchased at any group meeting or by mail.

DUES-

Current membership dues are $18.00 per year, with a one-time application fee of $10.00. Checks should be made payable to APPLE PI.

A Few Words from the Eisler...

An absolutly incredible phenomenon has been occuring in Apple Pi. For some reason swarms of volunteers have been coming out of the woodwork! Here is what's happening:

It looks like we are finally going to clean the Apple Pi basement! The club has been growing so fast that our neglected bylaws have become a bit out-dated. Even the preprarer of our current bylaws now recommends that they be rewritten. We have seven wonderful volunteers to do the job!

Tom Margrave - chairman 985-0282
Clarence (Andy) Anderson
Tom Angelo
Bob Bigelow
Paul Carrier
Alexandra Regan
Kathy Turner

We want the new bylaws to reflect the wishes of the general membership - that is why no officers or assistants are on the committee. If you have something to contribute, please see one of them right away. They will be setting up there own meetings & agenda. The new bylaws should be ready before the next elections.

Maureen Brucker has volunteered to organize some Apple Pi classes! Maureen has done similar work for Denver Free University, so she is perfectly qualified for the job. Could you help her out? If you could teach a class on anything related to Apples (and get paid for it too!), give her a call at 320-0401. If everyone wants to learn, but not teach, nobody will learn anything. Thanks Maureen!

The Board has approved $75 to be given away to outstanding club contributers every quarter. Steve Martin will be organizing a group to distribute the awards. So now you have another good reason to contribute those articles and programs, in addition to the rewards and satisfaction of simply helping others. Thanks Steve!

Bill Dowall has been given the clubs extensive magazine and newsletter collection for indexing. When he's done, you will be able to quickly search and access the clubs printed library, just like our disk library! See the VP if you have any interest in this. Thanks Bill!

The club's editor was removed at the September general meeting. Randall Ansley will be the temporary editor. Hopefully, this will end our problems with the Seed. I beg anyone who knows the past editor to help talk him out of his plans for revenge against Apple Pi.

Alexandra Regan has graciously volunteered to help legalize the club. Alexandra runs her own accounting firm, so she is the ideal person for filling out the stacks of IRS and state forms. She knows her stuff and I recommend her to anyone needing accounting advice. Thank you Alexandra!

Thanks to Dave Nelson, we now have an official benefits package for business (store) members. This will hopefully lead to increased store participation and additional benefits for our members, such as discounts. Interested store managers should call Bob Vitry at 422-6366.

Finally, I want to thank Trent Hein for his computerized door prize winner selector! This is making the door prize drawing alot more fair (and fun!).

Thanks again to all our contributers!

SECRETARY'S REPORT

(SEPTEMBER MEETING)

President David Eisler convened the general meeting in the Greene Center at 7:10 pm on September 1st. The usual officer reports were dispensed with as they appeared in the September SEED which was mailed so that members received them prior to the meeting.

The business part of the agenda was devoted to a number of issues requiring member votes as had been indicated in the SEED.

After establishing that voting members in attendance (111 out of 436) exceeded the required quorum (10 percent),three motions were presented and discussed:

1. Resolution: The elected officers shall be and act as the Board of Directors for Apple Pi Inc.
   The Resolution was passed.

2. A resolution was made to make paragraph 2 of Article V, Section 3 concerning removal of officers more explicit. The motion is to insert the words capitalized in the otherwise quoted paragraph below:

   Resolution 2: "Any officer elected or appointed by the members may be removed by affirmative vote of the majority of A QUORUM of the VOTING members PRESENT IN PERSON OR REPRESENTED BY PROXY whenever in their judgement the best interests of the Corporation are served thereby,but such removal shall be without prejudice to the contract rights, if any, of the officer so removed."

   This motion was withdrawn after discussion.

3. Resolution: Should Frank Reeves be removed from the office of Editor?

   Discussion on this motion was divided into three parts. The President presented the Board's position, the Editor presented his position and there was general discussion from the floor.

   The motion was carried by a majority of the 104 voting members.

The disks of the month were demonstrated by the Librarian.

Two door prizes were awarded using a new random selection program and the member records. Richard Smith received the Dragonmix program donated by Computer Connection of Boulder. A Byte Bat, donated by Microtie Systems Corporation of Walnut Creek California, was won by Tom Angelos.

An abbreviated program was presented by Steven Walker who discussed the upcoming Starcon convention and offered a discount to members of Apple Pi. Representatives from Geopac Computer of Golden described products for sale to members.

FOR SALE
APPLE DISK II INTERFACE CARD
New Condition $75.00
(90 day warranty)
Tom Angelos
798-5435 evenings

ProDOS

****

The following is the Apple Computer Company's press release on ProDOS. This release is printed verbatim.

ED.

****

CUPERTINO, Calif.--June 24, 1983--A new disk operating system for the Apple II family of personal computers is now being licenced by Apple Computer, Inc. to software developers for applications development.

Called ProDOS (tm),it provides increased compatibility between Apple II and Apple III environments and the higher performance reguired for more sophisticated Apple II applications.

ProDOS uses the hierarchical file structure, file-naming conventions and data formats of the Apple III Sophisticated Operating System (SOS). ProDOS data files and data media are interchangeable between the Apple II and the Apple III.

The design of ProDOS frees the Apple II from the physical limitations of the 143-kilobyte Apple II disk drive. Using ProDOS, the Apple II can handle larger files, such as those often required by word processing and data-base applications, and can recognize any storage device, either floppy or hard disk, that uses Apple's protocals. ProDOS-based applications will never need to be rewritten to recognize new storage devices for the Apple II.

In addition, the hierarchical, Unix-like file structure of ProDOS provides the Apple II user with an organized method for managing larger numbers of files on larger storage devices.

"Developers have expressed great interest in a standard operating system for the Apple II that provides the capabilities for advanced applications such as networking, business graphics, and large data-base management," said Natalie Shuttleworth, operating systems program manager for the Apple II and the Apple III. "ProDOS is our response to this need."

"So far, we have seeded almost 100 developers with ProDOS; all have recived it vary favorably. Based on this acceptance, we are committed to the development of ProDOS-based applications and are encouraging developers to use ProDOS in favor of DOS 3.3 applications environment."

ProDOS supports interupt-driven processing, which is required for technically advanced applications such as networking and data communications. Because it shares common data formats with SOS, ProDOS supports mixed network environments, such as Apple's forthcoming local area network, AppleNet.

Due to its sophisticated design, ProDOS also offers more efficient memory management and a faster user response time. These enhancements will give ProDOS-based application programs increased performance in locating and transferring data stored on disks.

"Since they both contain a 6502-based microprocessor, the Apple II and the Apple III have always had close ties, and ProDOS strengthens this family relationship," said Shuttleworth. "For example, when ProDOS-based applications are available, a user will be able to create a word processing text file on an Apple III at work and then use the same file on the same disk at home on a ProDOS-based Apple II word-processing program. This increased compatibility is desired in corporate, home and educational environments where users need to be able to move files easily between thhe two computers."

CONTINUED. . .

ProDOS

ProDOS does not make obsolete the Apple DOS 3.3, SOS or Pascal operating environments; all will continue to be available as licensed products from Apple. Users will be able to convert DOS 3.3 data files to work with ProDOS-based application programs in order to take advantage of the advanced capabilities that ProDOS provides.

ProDOS-based applications will not require hardware changes to any Apple II that has at least 64K of initernal memory. ProDOS-based applications written in Applesoft BASIC will run on an Apple II Plus or Apple IIe personal computer. Those written in 6502 Assembler will run on an Apple II, Apple II Plus or Apple IIe. The current Disk II interface card will work with DOS 3.3, Apple Pascal and ProDOS applications on all the Apple IIs.

The licenced ProDOS development tools distibuted to software developers include the disk-based operating system, assembler, editor, debugger, system utilities, user's guide, technical reference manual, BASIC Programming with ProDOS manual and 6502 Assembler/ProDOS Tools manual.

Currently, ProDOS is available to qualified applications developers through Apple's software licensing program. It will not be available for retail sale from Apple until early 1984.

The Editor wishes to thank Tom Angelos for his article submitted to the Seed about ProDOS. When the Apple release became available, it was decided to run it in its entirety.
Thank you, Tom, for your contribution.

TELECOMMUNICATIONS

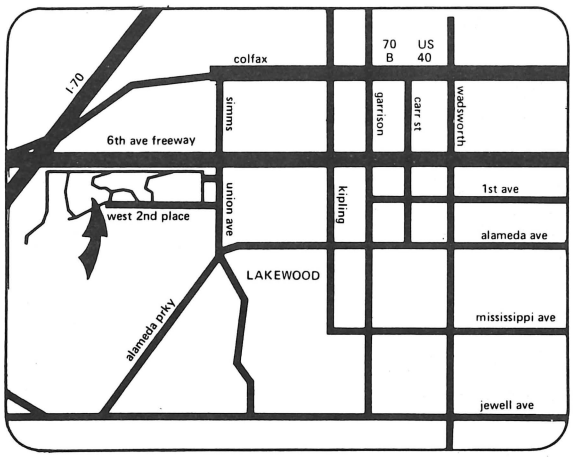
DENVER BBS NUMBERS

Apple Pi	469-7541
Aurora-Net	343-8401
The Controller Board	690-9423
GBBS II	693-1064
Lakewood RCPM/RBBS	985-1108
The Neutral zone	985-9184
Off the wall	443-3367
PETULA	232-8509
RCPM/RBBS	499-9169
Remote North Star	444-7231
TBBS#1 (Apparat)	741-4071
TBBS#2 (UFONET)	278-4244
TBBS-Software Review	695-4518
NEW	
Computer Line	758-3441
The Testing Zone	427-7114

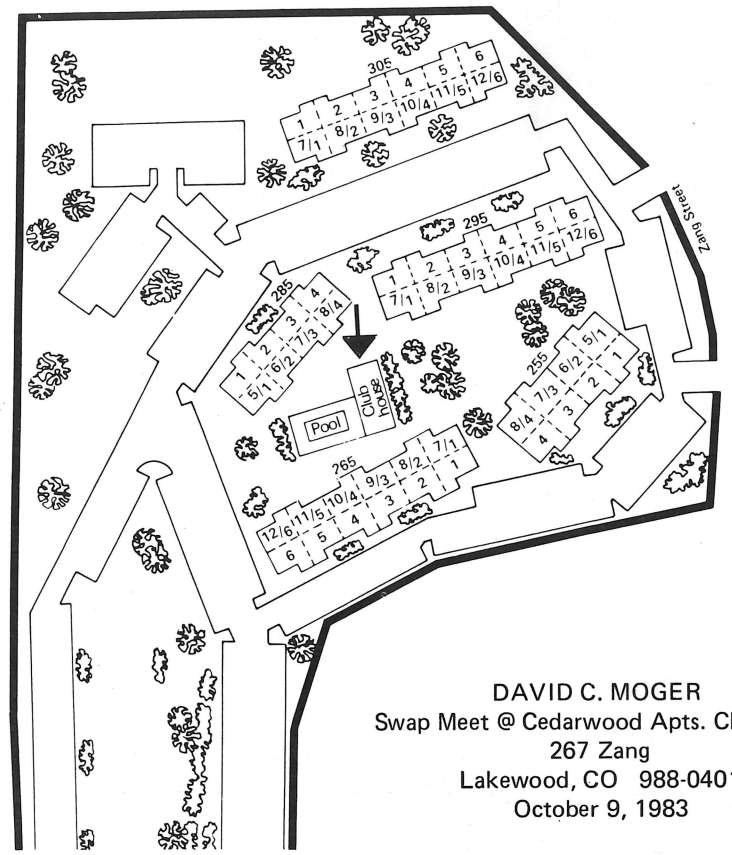
For corrections, contact T.R. Hein at (303) 424-8357
or Fran Baxter at (303) 989-5139

PEEK+POKE

October "SWAP" Meet



Apple Pi Swap Meets provide an opportunity for you to utilize the extensive Apple Pi library and have your Apple questions answered, while meeting new and interesting people. If you've never been to an Apple Pi swap meet, isn't it about time for you to pack up the little Apple seedlings, hop in the Apple cart, and make your way to the swap meet?



DAVID C. MOGER
Swap Meet @ Cedarwood Apts. Clubhouse
267 Zang
Lakewood, CO 988-0401
October 9, 1983

/// DIMENSIONS

Dennis Lunt

SOS Manuals: These long awaited aids to the technical depths of the Apple /// are still seemingly intangible. While they are not rapidly appearing in your local computer store, the word continues to be, "They're coming". Well, to assist those who are suffering from this traumatic malady, here is a tidbit that may help us all in the end. The part number for the SOS Reference Manuals, Vols 1&2 are A3L0027 and 28. There is even a Device Drivers Writer's Manual, part# A3L0023. Perhaps a little squeaky gate theory applied via mail to Cupertino, CA would hasten the Colorado delivery of these /// cavern maps.

This column is intended to be presented every month by your current club treasurer. I have seen an increased interest in the /// in the club over the last few months, and hope to incourage it through this media. If you have any comments, suggestions or requests about the ///, catch me at our general meetings or via E-mail on the club electronic bulletin board.

Goodby(t)es,

LOOK WHAT YOU CAN DO!

Give us sixteen hours of your time, in eight two-hour sessions, and we will show you what you can do with a microcomputer.

- WORD PROCESSING Are you still writing, correcting and typing letters by hand?

- ELECTRONIC SPREADSHEETING You can do business, financial and home projections almost effortlessly.

- DATA BASE MANAGEMENT A microcomputer can keep track of appointments, notes, phone numbers and the variety of information associated with a home or business.

- COMPUTER ASSISTED INSTRUCTION Are your kids using the most up-to-date educational software at home to help with school? A great deal is available.

- REMOTE DATA ACQUISITION Did you know that you can transmit and receive information to or from another microcomputer over common telephone lines? A real asset to most businesses. We also examine various sources of information.

- PROGRAMMING Get a "hands-on" feel for what it's like to program a microcomputer for your own purpose or pleasure. A very satisfying skill.

- ENTERTAINMENT A look at some of the more sophisticated games for microcomputers and comparative features that make them individually unique.

- HARDWARE FAMILIARITY A look at the hardware itself. Some considerations to be observed when buying and using any microcomputer will be explored.

- VOCABULARY A vocabulary list will be presented and defined in a simple and easy-to-understand manner, to provide a foundation in gaining further knowledge in this fast growing field.

These and other interesting topics are presented in our course

OVERVIEW OF MICROCOMPUTERS.

Now taking enrollments. Classes start every month. Call to enroll or for more information.

PREPARE FOR THE FUTURE.

MICROCOMPUTER ACADEMY, INC.

2149 S. Clermont Denver, Co. 80222 (303)759-2122

****

Thank you!

The Denver Apple Pi Users Group wishes to gratefully acknowledge the support of the following businesses that have purchased a business membership:

COLORADO COMPUTER SYSTEMS, INC.
3005 W. 74th Ave.
Westminster, CO 80030
(303) 426-5880

COMPUTER VIDEO CONCEPTS
P.O. Box 35
Evergreen, CO 80439
(303) 674-2385

COMPUTERLAND OF NORTH DENVER
8749 Wadsworth Blvd.
Arvada, CO 80003
(303) 420-1877

COMPUTERLAND OF DENVER
2422 S. Colorado Blvd.
Denver, CO 80222
(303) 759-4685

NEIGHBORHOOD COMPUTERS
13045 W. Alameda Parkway
Lakewood, CO 80228
(303) 988-9140

THE COMPUTER LINE
1136 S. Colorado Blvd.
Denver, CO 80222
(303) 758-3261

When you visit any of these stores, let them know that you are an Apple Pi member, and tell them you appreciate their support.

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APPLE HARDWARE, SOFTWARE, BOOKS
(MOST ITEMS LESS THAN HALF PRICE)
Examples: Magic Window $50., Hayden Compiler $75., Rana Drive $225., ROM+ Board $75., EZ Draw $25., Microsoft Fortran $65.
Lots of Pascal & BASIC books
Call Don Koenneman 692-2488 (work) or 985-9426 (home)

$ $ $ $

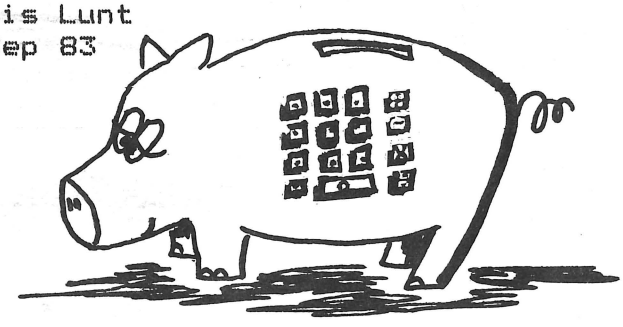
TREASURER'S REPRORT

Previous Bal. (4 Aug 83)	$2,398.87
INCOME	
New Memberships	700.00
Renewal Memberships	162.00
DOM Sales	540.00
Library Copies	208.00
Sale of Supplies	2,451.10
Interest Earned	13.61
EXPENSES	
Printing	415.00
Postage	135.87
Office Supplies	25.45
Supplies for Resale	1,758.89
Ending Bal. (24 Aug 83)	$4,138.37

In the never ending roller coaster of club finances, it has become apparent that over the last couple of months we have held a much larger inventory than we actually needed. While it is much less leg work for our new assistant treasurer, Rich Waite, to make just a few large purchases of supplies a month, it does create a large inventory. With new auditing and inventory procedures being developed by the treasury and the librarian, plus the volunteered help of other concerned individuals who want to see us get a good handle on our books, it is hoped that the roller coaster will have shallower valleys and lower peaks in the future.

Respectfully submitted,

Dennis Lunt
10 Sep 83



ROBOTS:

Colorado Parents of Robots
A Robot Users Group
421-6361

Welcome to the 80's. Remember seven short years ago when Altair and Imasi invaded the homes of the visionaries. Then came Apple, Atari, NorthStar, Vector and the like. We find ourselves again in the year 1975, sort of anyway, with the "new" computer application, ROBOTS. Yes, my friend, robots. They are in factories, schools and now they are "invading" our homes. This invasion is also starting small, first with home-built hobbiest robots, such as T.H.E. Mouse a learning kit, and now with assembled robots such as H.E.R.O., RB5X, and soon B.O.B.

Until recently, information regarding Robots, and robotics had been scattered between many individuals with no network to allow easy access for you. If you have a curiosity about robots, or if you have built, purchased, or use robots - WE WANT YOU !!

This is the dawning of a new age -- a time when you will have a robot of your very own. Join with others that know, or want to learn about robotics. Colorado Parents of Robots, a robot users group, consists of people on the "cutting edge" of robots. These "new pioneers" are exploring exciting new frontiers of Artificial Intelligence including such areas as: speech recognition, speech synthesis, pattern recognition, natural language processors, program generators and so on. After all what is a computer, but a deaf, dumb, blind, paraplegic robot.

Explore new horizons with us. For further information drop in on our meeting:

September 29th, 1983
7:00 PM
at
Career Education Center
2650 Eliot Street
Denver, CO
1 block east of Federal on 26th Ave.

Remember how much you loved R2D2 and C3PO, and how they always seemed to be there when you needed them. Now you have the opportunity to acquaint yourself with this coming trend.

Imagine the impact of a small machine toddling up to your neighbor's door, ringing the door bell and asking, "May I borrow a cup of motor oil, please?".

APPLE·PI 'BUG' OF THE MONTH

The biggest bug we found this month was the one that crawled into last month's SEED masthead! In case you hadn't noticed, Vol. 5, No. 9 was really your SEPTEMBER SEED, not the August one as it claimed. Perhaps the confusion resulted from the fact that there was no July SEED (Although there was a Vol. 5, No.7 which was hand-distributed by our former Editor at Aug. & Sept. meetings). The August SEED (Vol.5, No.8) was put out by the Board, distributed at the August meeting and then mailed (bulk rate) immediately thereafter. The September SEED (Vol.5, No.9), mislabeled as August, was assembled by Randy Ansley and completed in time to mail (bulk rate) prior to the September meeting.

THE JOY OF PROGRAMMING

BASIC PROGRAM BACKUP

The Problem:

Whenever you use the "SAVE filename" command to save your basic programs, the operation will wipe out any old versions of "filename". You can keep a backup of your program by saving it under a new name each time, such as "PROG 1", "PROG 2", "PROG 3",..., but it's easy to forget what the current version number is, and old garbage piles up on your disk.

The Solution:

There is a better way. Put the following routine in your library. Load in the routine before writting your next basic program. Start with line #10, as usual. Whenever you want to save the program, simply enter "RUN 2". The latest version will be automatically saved to disk using the name "PROGRAM", and the last version will be renamed "PROGRAM.BAK".

This makes it very fast and easy to save the program every time before running it - a nice proceedure for programs that sometimes crash the whole machine.

Another Hint:

You could have a convention of putting a GOTO statement on line 1 of all your programs. The GOTO would always jump to your main menu. That way, if any of your programs crash after putting in alot of data, you could simply type "RUN 1" to continue without lossing data.

Line 0 would be a jump to the 1st line of your program.

-D. Eisler

TRY ME

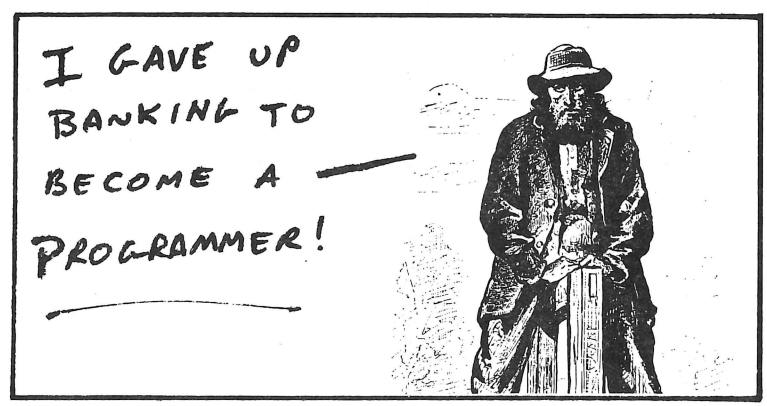
```
0  GOTO 10: REM  START OF PROG
1  GOTO 100: REM  MENU
2 A$ = "FILENAME":D$ =  CHR$ (4):
     PRINT D$"MON C": ONERR  GOTO
    4
3  PRINT : PRINT D$"DELETE ";A$;"
   .BAK": GOTO 5
4  PRINT : PRINT "CANCEL DELETE":
     CALL  - 3288:A =  PEEK (222
   ): IF A <  > 6 THEN 9
5  POKE 216,0: ONERR  GOTO 7
6  PRINT : PRINT D$"RENAME ";A$;"
   ,";A$;".BAK": GOTO 8
7  PRINT : PRINT "CANCEL RENAME":
     CALL  - 3288:A =  PEEK (222
   ): IF A <  > 6 THEN 9
8  POKE 216,0: PRINT : PRINT D$"S
   AVE ";A$: END
9  POKE 216,0: PRINT : PRINT "ERR
   ";A: END
10  PRINT "PUT YOUR PROGRAM HERE"

100  PRINT "PUT YOUR MAIN MENU HE
     RE"
```

das DOS

Are you one of the Apple //e pioneers who bought a //e within the first few months of its availability? If you are, and you received the Apple II Plus DOS 3.3 System Master diskette and manual, you are entitled to the new Apple //e DOS manuals. If you fall into this category, call me at 429-4219 (days) and I will give you the Apple address to write to. For those of you with modems, leave me E-mail on the Apple Pi BBS.

RA



LIBRARIAN'S REPORT

The September DOM was a success if the number of copies sold is any indication. I trust all who purchased a September DOM will enjoy the usefulness of Softgraph as much as I have. For October, we have another excellent DOM. It contains two copy programs should you need one. One of the programs, Flash Copy, was submitted by Greg Schaefer. The programs on the October DOM are as follows:

Denver's Apple Pi Disk of the Month

#039 OCTOBER '83 DOM

FLASH COPY	HIRETEXTDEMO/3	
HIGH-RES-TEXT/3	DEMUFFIN	SUPER COPY
DISK MAST-HEAD CHANGE	ORBIT ++	ICBM
HI-RES DEMO!	I'M APPLE	WOLFPACK
LINE GRAPH	DOODLE	DAN'S OPTION WRITER
MATH MONSTER	HOME MESSAGE CENTER	BIBLIOGRAPHY
DIRECTIONS	ENTER	SEARCH
DEMOTEXT/3	MM.OBJ	DOODLE.OBJ
CORRECT		

Currently I am in the process of working on a special Christmas disk for the member stores to use. If anyone has something special that would be appropriate for this disk, please get in touch with me. I can use creative graphics, games, or self running programs that demonstrate a feature on the Apple computer.

Don't forget to get your copy of One-Key DOS from the Assistant Treasurer. This is a handy bit of software that will work with most other DOSs and provide some ease of operation (after you master the commands).

We are in need of someone to write a label program for our Pascal and CP/M DOMs which will produce labels similiar to the ones that we use on our regular DOMs. If you have a few minutes and would like to generate something that the club could use every month, write us a label program that will work with these type DOMs.

Bob Hein, Librarian

A.P.P.L.E.

A.P.P.L.E. OFFER

Apple PugetSound Program Library Exchange (A.P.P.L.E.) is celebrating Apple computer users this month with a very special offer.

A.P.P.L.E. is offering current IAC Club members access to its membership at a reduced rate. Regulare A.P.P.L.E. application fee is reduced from $25.00 to just $5.00 with annual dues remaining at the $20.00 price per year. For only $25.00 our members can join A.P.P.L.E. Member benefits include:

- Monthly subscription to Call-A.P.P.L.E.
- Software products at reduced prices.
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A.P.P.L.E. requests that all application procedures be carried out through Apple Pi and that we send them one check per month. THE OFFER EXTENDS ONLY UNTIL JAN. 1, 1984. SO WE WILL BE ACCEPTING APPLICATIONS AND PAYMENTS ONLY THROUGH THE DECEMBER GENERAL MEETING. If you are interested in this offer, please make out your check to Apple Pi for "A.P.P.L.E. Membership" and give it to the Secretary (Dave Nelson) at the General Meeting.

This and That

By Tom Margrave

I am hopeful that this column will be of interest to you. As part of my job I review many articles dealing with microcomputers and would like to share some of them with you.

The last couple months has shown an increased interest in text editing and word processing. The August 1983 issue of MICRO has a number of good articles on word processing: A Word Processing Primer, pp.22-24; Word Processing On Your Apple, pp.25-29,119-120; and Word Processing with Apple Pascal, pp.30-37.

The article, "Word Processing on Your Apple", is of interest to those of you who are shopping for a word processor.

Software covered:

Easy Writer - The Professional Word Processing System, Information Unlimited Software, Inc.

FORMAT - II - Word Processing System, Kensington Microware Ltd.

SANDY WORD PROCESSOR - Designed for APPLE COMPUTERS, VIP Software, Inc.

APPLE WRITER II - Apple's own Word Processor, Apple Coputer Company, Inc.

Write Away - An Advanced Word Processor, Midwest Software Associates

The Word Handler II - A simple test editor, Silicon Valley Systems, Inc.

Pie Writer - Word Processing System, Hayden Software

Screen Writer II - A Professional word processing system, On-Line Systems

Zardax - Word processor, Computer Solutions

WordStar - Version 3.01P, MicroPro International Corp.

The Executive Secretary - Word Processing System, SOF/SYS, Inc.

Magic Window II - Word processing system, ARTSCI, Inc.

FONTRIX - Dedicated to the absence of limits, Data Transforms, Inc.

PowerTest - Word Processing system, Beaman Porter, Inc.

A good 80 percent of my time is spent writing and a good word processor is very important. Some systems are easy to learn, but do not allow for search functions, line-spacing, double-spacing or footnoting. When buying software, you should determine your need, for example, are you only going to write letters, if so, you need only a text editor. Creative Computing 1983 Software Buyer's Guide, pp.6-8, has a good article on "How To Buy Word Processing Software". Also Buyer's Guide to Small Computer, Summer '83, pp.37-42, is a useful article.

Mail Order - A call to the Better Business Bureau before ordering by mail is your first step when buying by mail. You should also double-check price, date of delivery, machine configuration and how the equipment will be delivered. Buyer's Guide to Small Computers, Summer '83.

A LANGUAGE FOR YOU!
by: T. R. Hein

I'm sure that by now most of you have heard of the relatively new language called LOGO. LOGO is claimed to be the "perfect" language for both beginners and experienced computer users.

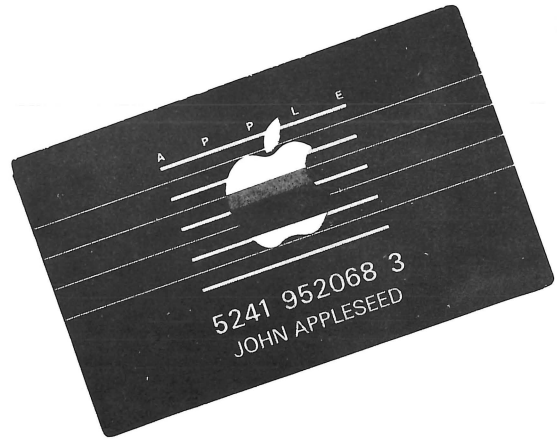
As you may already know, there are three LOGO languages on the market: Terrapin, Krell, & Apple. Although all of the languages are based on the same principal, they differ in approach. Terrapin LOGO, except for the cost, is the best all-around LOGO on the market. Jefferson County Public Schools will be using Terrapin LOGO in its computer education program. Krell LOGO is also a very good LOGO, but if you have students in school, chances are that they will be using Terrapin LOGO, and not Krell, and file compatibility is not guranteed. Apple LOGO, on the other hand, is a poor excuse for a language. I find it useful for only simple programming. The complex steps required to do any REAL programming with Apple LOGO defeats the purpose of programming in the first place.

I am hoping this article will continue on into a series of articles. All LOGO program listings in my articles will be written in TERRAPIN LOGO. The programs will probably work with other LOGOs, but don't bet on it.

Here is a starter LOGO program:

```
 TO COLORS
 MAKE "S (1)
 HIDETURTLE
 FULLSCREEN
 CLEARSCREEN
 COLOR :S
<control-c>
 TO COLOR :S
 BACKGROUND :S
 IF (:S = 5) THEN COLORS
 COLOR :S + 1
<contron-c>
```

After entering this program, typing COLORS will fill the whole screen with different colors. TRY IT! If you have a program you have written in LOGO (providing it's not too long), please send it to me, & I'll probably include it in one of my articles. Enjoy!



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